Databases for Many Majors: The Penultimate Year

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DesignDB Checkpoint
A generic conceptual design was developed for use in the 20 comprehensive checkpoint questions, making it easier to adopt the animations by reducing the customization effort.

http://databasesmanymajors.faculty.asu.edu

Databases for Many Majors: Customizable Visualizations to Improve STEM Learning

DUE-0941584/DUE-0941401
- 2 Animations: IntroDB & QueryDB
- Customizations: CMB & GIS
- IEEE Trans on Education paper

DUE-1431848/DUE-1431661
- STEM Customizations: Ecology, Statistics, Forensics, Astronomy
- Checkpoints: Formative Self-assessment
- New Animation: DesignDB - Conceptual Design
- CreateDB: Customization Tool
- Ultimate Year: Dissemination and Open Source

CreateDB: Visual Customization Tool
Assists customizer in designing the database instance for the animations; verifies primary & foreign keys and anomalies; generates XML files to assist with customizing: IntroDB, QueryDB, and DesignDB

CreateDB: Visual Customization Tool
Geographic Information Systems

CreateDB: Conceptual Design
Astronomy

DesignDB: Checkpoint & ERD
Generic Conceptual Design

IntroDB: Introduction to Databases
Computational Molecular Biology

QueryDB: Introduction to Querying
Environmental Science/Ecology

DesignDB: Conceptual Design
Astronomy

CreateDB: Visual Customization Tool
There are additional constraints that must hold on the data associations to illustrate update, delete, and insert anomilies.

Check the box to let it be famous to save your work.

IntroDB: Introduction to Databases

QueryDB: Introduction to Querying

CreateDB: Visual Customization Tool

DesignDB: Conceptual Design

CreateDB: Visual Customization Tool